LAND 125
Australia's Soldier Modernisation Program

ISSC '04

BOSTON, USA

14 Dec 04

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AIM

> to inform

- project update
- questions

Key Points

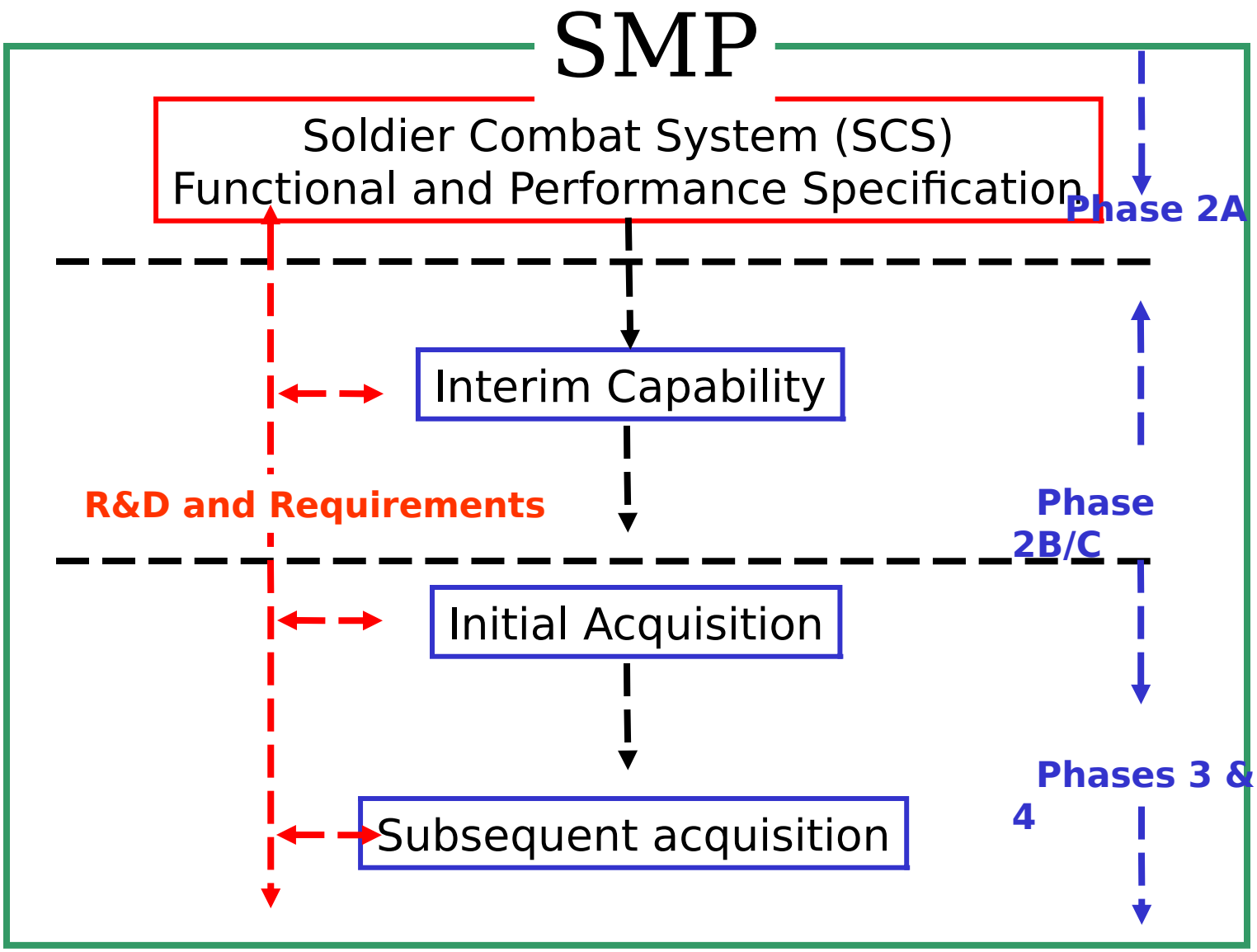
- LAND 125
  - Soldier Modernisation Program
  - Evolutionary enhancement
  - Technology **and** TTPs
  - User critical in development & evaluation
  - Delivering now (DTB)
  - Interim Capability Mid 06 (6 bns)

L125 Aim

LAND 125 will **enhance** the performance of the **individual close combat soldier** and **small force elements** as part of a **network enabled force**.

The **selective application of technology** will provide incremental improvements to lethality, survivability, sustainability, mobility and C4I capabilities, to **enable an evolutionary enhancement of tactics, techniques and procedures.**

LAND 125 - SOLDIER MODERNISATION PROGRAM

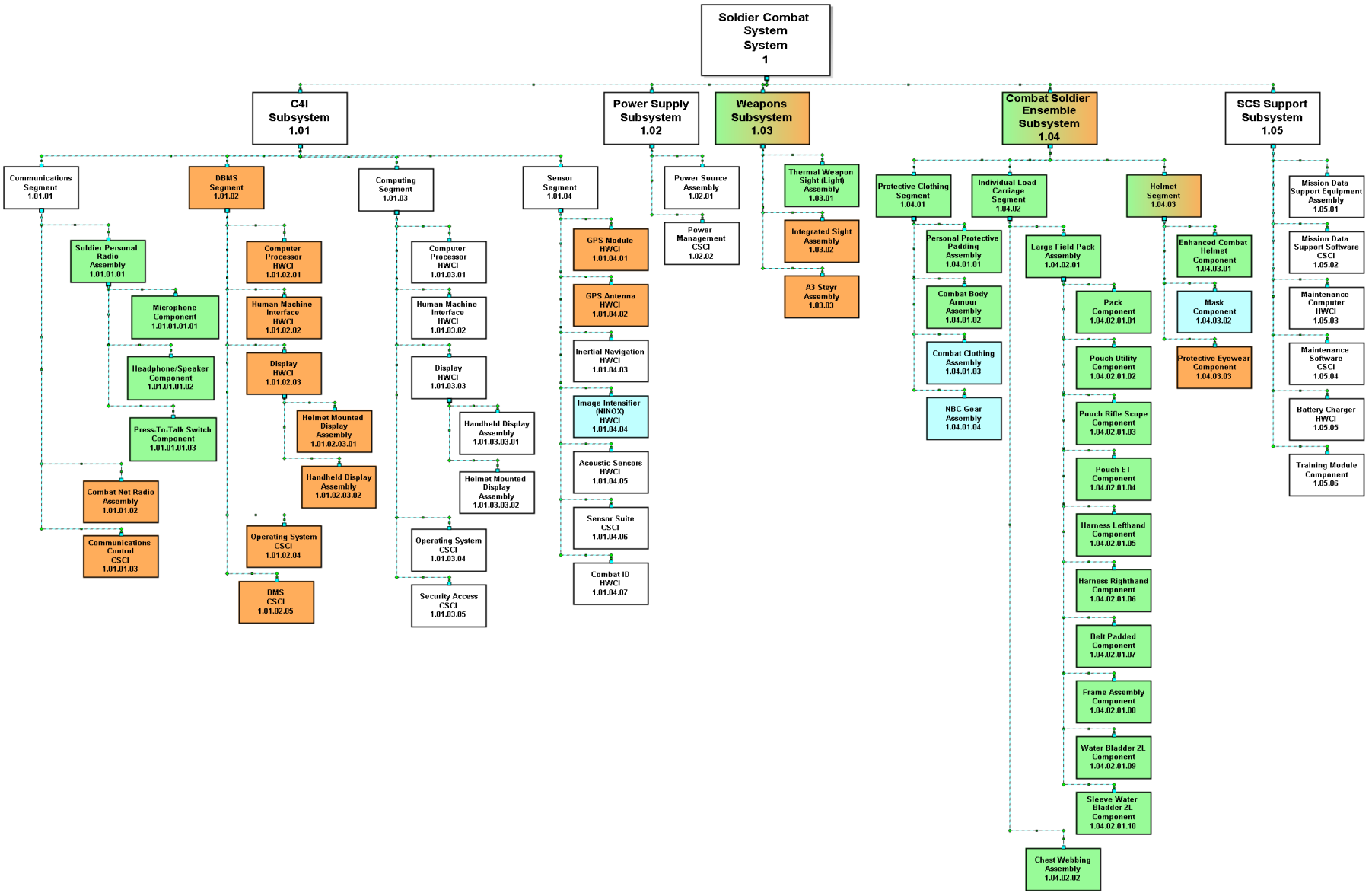


Land 125 Overview
Soldier Modernisation Program

- **Focus:** Soldier & small dismounted teams
- **Endstate:** a more capable part of the combined arms team
- **Key:** Integration
- **Leverage:** technology & TTPs

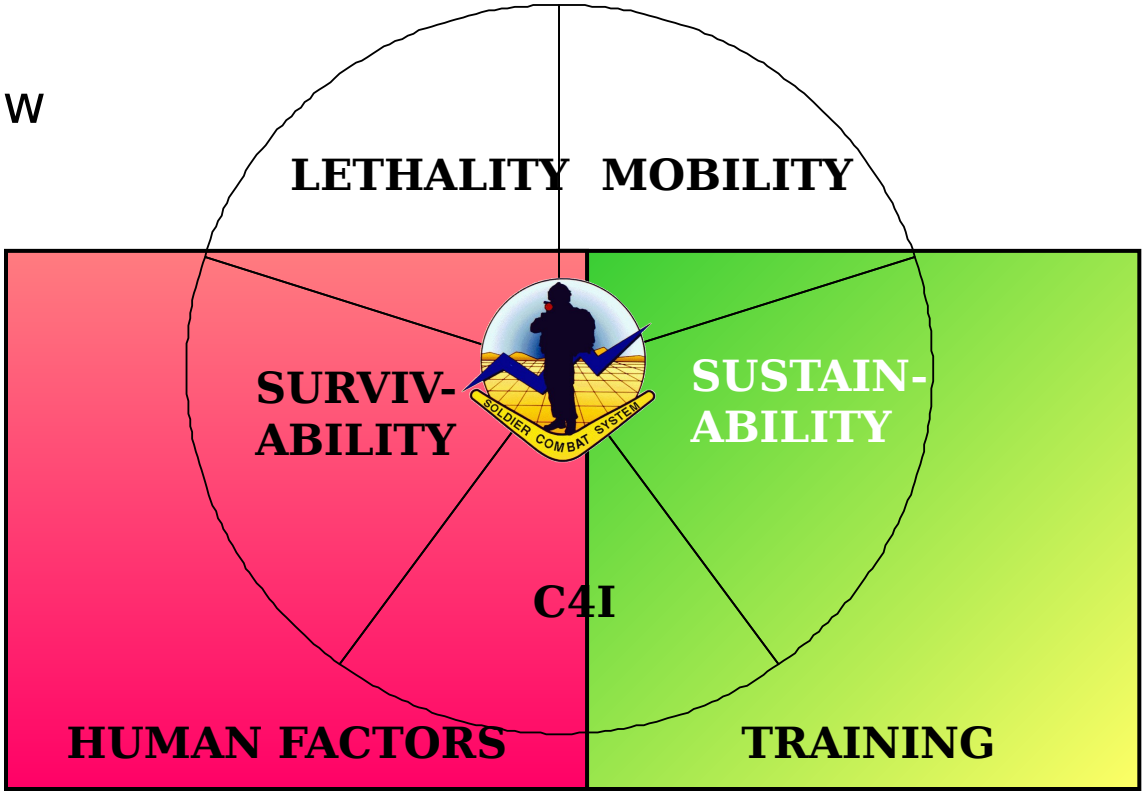
- **SCS Concept**
  - Aspirational FPS
  - Functional areas
  - Sub-systems
  - Integration
- **Key Project Elements**
  - DTB
  - Interim Capability
  - Phase 3 Acquisition
  - Test & Evaluation
  - R&D

Aspirational System

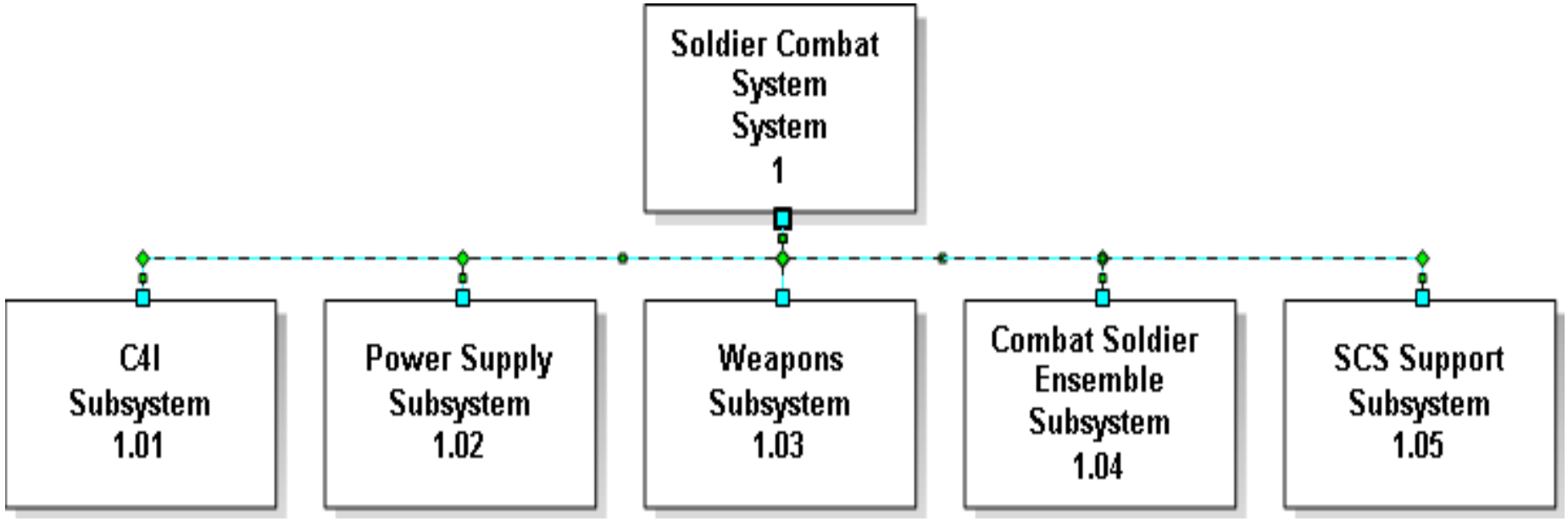

Soldier Combat System System 1
C4I Subsystem 1.01
Power Supply Subsystem 1.02
Weapons Subsystem 1.03
Combat Soldier Ensemble Subsystem 1.04
SCS Support Subsystem 1.05
Communications Segment 1.01.01
Soldier Personal Radio Assembly 1.01.01.01
Microphone Component 1.01.01.01.01
Headphone/Speaker Component 1.01.01.01.02
Press-To-Talk Switch Component 1.01.01.01.03
Combat Net Radio Assembly 1.01.01.02
Communications Control CSCI 1.01.01.03
DBMS Segment 1.01.02
Computer Processor HWCI 1.01.02.01
Human Machine Interface HWCI 1.01.02.02
Display HWCI 1.01.02.03
Helmet Mounted Display Assembly 1.01.02.03.01
Handheld Display Assembly 1.01.02.03.02
Operating System CSCI 1.01.02.04
BMS CSCI 1.01.02.05
Computing Segment 1.01.03
Computer Processor HWCI 1.01.03.01
Human Machine Interface HWCI 1.01.03.02
Display HWCI 1.01.03.03
Handheld Display Assembly 1.01.03.03.01
Helmet Mounted Display Assembly 1.01.03.03.02
Operating System CSCI 1.01.03.04
Security Access CSCI 1.01.03.05
Sensor Segment 1.01.04
GPS Module HWCI 1.01.04.01
GPS Antenna HWCI 1.01.04.02
Inertial Navigation HWCI 1.01.04.03
Image Intensifier (NINOX) HWCI 1.01.04.04
Acoustic Sensors HWCI 1.01.04.05
Sensor Suite CSCI 1.01.04.06
Combat ID HWCI 1.01.04.07
Power Source Assembly 1.02.01
Power Management CSCI 1.02.02
Thermal Weapon Sight (Light) Assembly 1.03.01
Integrated Sight Assembly 1.03.02
A3 Steyr Assembly 1.03.03
Protective Clothing Segment 1.04.01
Personal Protective Padding Assembly 1.04.01.01
Combat Body Armour Assembly 1.04.01.02
Combat Clothing Assembly 1.04.01.03
NBC Gear Assembly 1.04.01.04
Individual Load Carriage Segment 1.04.02
Large Field Pack Assembly 1.04.02.01
Pack Component 1.04.02.01.01
Pouch Utility Component 1.04.02.01.02
Pouch Rifle Scope Component 1.04.02.01.03
Pouch ET Component 1.04.02.01.04
Harness Lefthand Component 1.04.02.01.05
Harness Righthand Component 1.04.02.01.06
Belt Padded Component 1.04.02.01.07
Frame Assembly Component 1.04.02.01.08
Water Bladder 2L Component 1.04.02.01.09
Sleeve Water Bladder 2L Component 1.04.02.01.10
Chest Webbing Assembly 1.04.02.02
Helmet Segment 1.04.03
Enhanced Combat Helmet Component 1.04.03.01
Mask Component 1.04.03.02
Protective Eyewear Component 1.04.03.03
Mission Data Support Equipment Assembly 1.05.01
Mission Data Support Software CSCI 1.05.02
Maintenance Computer HWCI 1.05.03
Maintenance Software CSCI 1.05.04
Battery Charger HWCI 1.05.05
Training Module Component 1.05.06

Soldier Combat System

- Soldier and section as a system & part of a system
- Legacy, new & emerging technology
- Integration
- Functional view



Sub-Systems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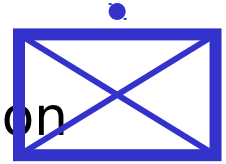
SCS Support Subsystem 1.05

Three Levels of Integration

> Level 1 The Soldier:

> Level 2 Intra-Section: networking the section



> Level 3 Linking the section: Network Enabled Warfare

(project boundary - rifle company)

DTB, Interim & Initial Equipment

> DTB Equipment (Jun 04 - Oct 04)

Helmet

> Interim Capability (Feb 05 - Jun 06)

Weapon Sight

elbow)

> Acquisition (Jun 07 - Jun 09)

(indicative capabilities)

ICLCE (Large pack & webbing)

Enhanced Combat

Lightweight Thermal

Soldier Personal Radio

Protective Padding (Knee &

DBMS

Leader Radio

Enhanced F88 & Integrated

Initial Acquisition

> DTB Equipment (Jun 04 - Oct 04)

Helmet

> Interim Capability (Feb 05 - Jun06)

Weapon Sight

> Acquisition (Jun 07 - Jun 09)

(indicative capabilities)

- ICLCE (Large pack & webbing)
- Enhanced Combat
- Lightweight Thermal
- Personal/Soldier Role Radio
- Protective Padding (Knee & elbow)
- DBMS
- Leader radio (sect & pl)
- Enhanced F88 & Integrated

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